

MIL "ON" DTC P0136

Service Category Engine/Hybrid System

Section Engine Control

Market USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2007 – 2011	Camry HV	

Introduction

Some 2007 – 2011 model year Camry HV vehicles equipped with a 2AZ-FXE engine may exhibit a MIL "ON" condition with Diagnostic Trouble Code (DTC) P0136 – Oxygen Sensor Circuit Malfunction (Bank 1 Sensor 2). The oxygen sensor and Hybrid Vehicle ECU (HV ECU) logic have been modified to reduce the possibility of this condition occurring. Use the following repair procedure to address this condition.

Parts Information

MODEL YEAR	PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
2007 – 2011	89465-06150	Same	Sensor, Oxygen	1
2007	89981-33010 89981-33011 89981-33012 89981-33013 89981-33014 89981-33015	89981-33016	Computer, Hybrid Vehicle Control	–
2008	89981-33030 89981-33031	89981-33032		–
2009	89981-33050 89981-33051	89981-33052		–
2010 – 2011	89981-33070 89981-33071	89981-33072		–
–	00451-00001-LBL	Same	Authorized Modification Labels	1

NOTE

- The HV ECU should NOT be replaced as part of the repair procedure.
- Authorized Modification Labels may be ordered in packages of 25 from the Materials Distribution Center (MDC) through Dealer Daily – Dealer Support Materials Orders.

MIL "ON" DTC P0136

Warranty Information

OP CODE	DESCRIPTION	MODEL YEAR	TIME	OFP	T1	T2
EG1205	R & R Oxygen Sensor and Recalibrate HV ECU	2007	1.1	89981-33010 89981-33011 89981-33012 89981-33013 89981-33014 89981-33015	8A	99
		2008		89981-33030 89981-33031		
		2009		89981-33050 89981-33051		
		2010 – 2011		89981-33070 89981-33071		

APPLICABLE WARRANTY

- This repair is covered under the Toyota Hybrid Vehicle System Warranty. This warranty is in effect for 96 months or 100,000 miles, whichever occurs first, from the vehicle's in-service date.
- For California specification vehicles sold, registered, and operated in California, Connecticut, Maine, Maryland (starting with '11 MY), Massachusetts, New Hampshire ('07-'09 MY), New Jersey, New Mexico ('10-'11 MY), New York, Oregon (starting with '08 MY), Rhode Island, or Vermont, this repair is covered under the California Emission Warranty, which is in effect for 180 months or 150,000 miles, whichever occurs first, from the vehicle's in-service date.
- Warranty application is limited to occurrence of the specified condition described in this bulletin.

Calibration Information

MODEL	MODEL YEAR	PREVIOUS CALIBRATION ID	NEW CALIBRATION ID
Camry HV	2007 – 2008	33380100 33380200 33380300	33380400
	2008	333B0000	333B0100
	2009	333B2000	333B2100
	2010 – 2011	333B9000	333B9100

MIL "ON" DTC P0136

Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
TIS Techstream* or Techstream Lite NOTE: Software version 7.10.030 or later is required.	ADE	TSPKG1 or TSLITEDLR01	1

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
GR8 Battery Diagnostic Station*	00002-MCGR8	1

NOTE

- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.
- Additional SSTs may be ordered by calling 1-800-933-8335.
- The Diagnostic Tester is NOT recommended for flash reprogramming with this calibration file. Please use TIS Techstream or an approved J2534 interface to perform this update. Visit techinfo.toyota.com for more information regarding J2534 reprogramming.



* Essential SST.

Repair Procedure

1. Using TIS Techstream, check for stored DTCs. If only DTC P0136 is present, proceed to step 2.
2. Remove and replace the oxygen sensor (Bank 1 Sensor 2).

Refer to the Technical Information System (TIS), applicable model year Camry HV Repair Manual: *Engine/Hybrid System – Emission Control – “2AZ-FXE Emission Control: Heated Oxygen Sensor: Removal / Installation”*

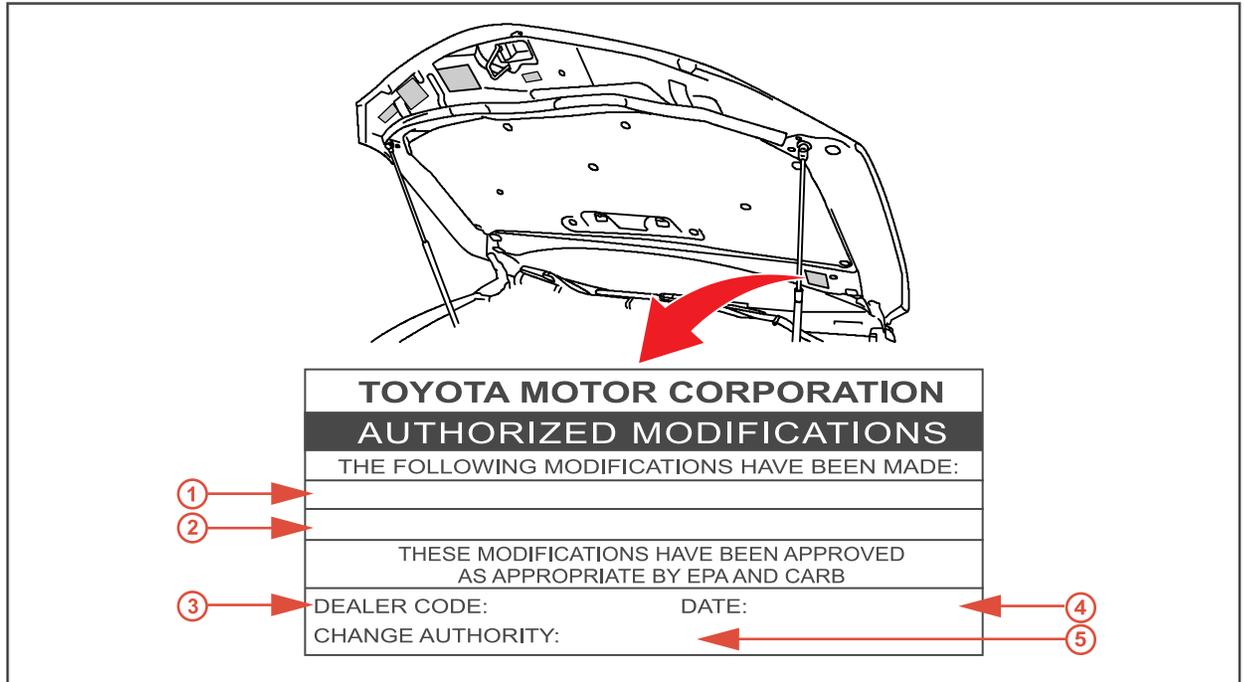
- 2007 Camry HV: [Removal](#) / [Installation](#)
- 2008 Camry HV: [Removal](#) / [Installation](#)
- 2009 Camry HV: [Removal](#) / [Installation](#)
- 2010 Camry HV: [Removal](#) / [Installation](#)
- 2011 Camry HV: [Removal](#) / [Installation](#)

MIL "ON" DTC P0136

Repair Procedure (Continued)

3. Check for the Authorized Modifications Label affixed to the vehicle in the location shown in Figure 1. Confirm if the HV ECU calibration has been updated. If the calibration ID listed is NOT the latest HV ECU calibration — go to step 4.

Figure 1. Location of Authorized Modifications Label on 2007 – 2011 Camry HV



1	Replacement HV ECU Part Number (i.e., 89981-33016)
2	New Calibration ID(s) (i.e., 33380400)
3	Dealer Code

4	Date Completed
5	This SB Number

4. Flash Reprogram the HV ECU.

NOTE

- The GR8 Battery Diagnostic Station **MUST** be used in Power Supply Mode to maintain battery voltage at 13.5 volts while flash reprogramming the vehicle.
- For details on how to use the GR8 Battery Diagnostic Station, refer to the [GR8 Instruction Manual](#) located on the Technical Information System (TIS), *Diagnostics – Battery*.

Follow the procedures outlined in Service Bulletin [T-SB-0064-10](#), “Techstream ECU Flash Reprogramming Procedure”, and flash the HV ECU with the NEW calibration file update.

5. Place vehicle into Ready “ON” mode and test drive the vehicle to confirm proper vehicle operation of the HV ECU.

MIL "ON" DTC P0136

Repair Procedure (Continued)

6. Install the Authorized Modifications Label.

A. Using a permanent marker, enter the following information on the label:

- HV ECU part number [*Refer to the **Parts Information** section for the **CURRENT PART NUMBER***]
- Calibration ID(s) [*Refer to the **Calibration Identification Chart** for the **NEW CALIBRATION ID***]
- Dealer Code
- Repair Date
- Change Authority [***This SB number***]

B. Affix the Authorized Modifications Label to the vehicle at the location shown in Figure 1. The Authorized Modifications Label is available through the MDC, P/N 00451-00001-LBL.